

Mr. Fabr:

HERE ARE THE PROGRAMS I
TALKED TO YOU ABOUT. BE SURE AND
READ INSTRUCTIONS, AND USE INPUT 257
OR 258 TO LOAD.

AS WE DISCUSSED, PLEASE STATE,
IF OTHER ARCADIANs LIKE THESE PROGRAMS
AND WANT MORE OF THE SAME TO SEND
\$1.00 TO ME.

I AM TRYING THIS FOR THE FOLLOWING
REASONS.

1. I HAVE ORDERED TAPES AND HAVE
WAITED SEVERAL WEEKS TO RECEIVE.
2. PROGRAMS WERE NOT ALWAYS AS STATED.
(OR WHAT I THOUGHT THEY WERE)
3. COST

FOR THE ABOVE REASONS AND MANY MORE I AM
TRYING THIS EXPERIMENT. AT LEAST THE
ABOVE ITEMS CAN BE ELIMINATED. (PROVIDED
THIS CRAZY SCHEME SHOULD WORK).

I HAVE A COMPLETE ^{INT} Compound Program
WITH SEMI-ANNUAL, QUARTELY, AND MONTHLY,
AND WILL SEND THIS TO YOU AFTER WE
SEE HOW THINGS WORK OUT. FOLLOWING IS
SOME OTHER PROGRAMS

- A. SINE, COSINE, TANGENT, DEGREE TO RADIAN, SQUARING
SQUARE ROOT, E TO N, ETC. (BLUE RAM)
- B. PROGRAM TO SOLVE QUADRATIC EQUATIONS
- C. SINKING FUND (FINANCE)
- D. PROGRAM TO DRAW GRAPHICS (USING PIXELS)
WITH A HAND CONTROLLER. YOU DO NOT NEED
TO MAKE ANY CALCULATIONS OR DRAWINGS AHEAD
OF TIME. CREATIVITY IS ALL THAT IS REQUIRED

OVER

I Am playing with getting two Bally
units vocally talking to each other.

One unit is named I.R.A. (Intelligent
Research, Artificial; Fernal Voice) and
Vincent (male voice). My wife suggests
when they can TALK to each other
maybe I can mate them. I wonder
if she's trying to tell me something?

3 D graphics and machine
language programs are also being
pursued.

IF ANYONE WANTS A TAPE OF
OF THE programs (2600 BYTES IS A LOT OF TYPING)
I WILL SEND THEM ONE FOR \$5.00. INCLUDED
WILL BE BLUE RM program AND Bally Program.
(WILL BE SHIPPED SAME DAY REC'D.)

WITH MINOR
ORDER

IF YOU HAVE QUESTIONS OR SUGGESTIONS
CALL AFTER 6 CHICAGO TIME.

JESSE SHADLE

7 CUL-DE-SAC

WEST CHICAGO, ILLINOIS 60185

PHONE 312-231-7482 (USE THIS ONE IF YOU CAN)

231-2630

NOTE:

Line 30 WAS TAKEN FROM A ISSUE OF CURSOR.
HE USED RM, I USE XY, BUT IT WAS
CORBOTS IDEA

C. Shadle
Jesse Shadle
Jesse Shadle

INSTRUCTIONS (1)

INPUT 257 TO LOAD

SELECT Program 0, 1, 2

When Loan Amount or Mortgage Input
is asked for you can enter in these ways

Examples:

A. 90000.00

D 90000 (input I)

B 90,000.00

C \$90,000.00

IF you Do NOT ENTER the decimal point and cents
you must press I after entering dollar amount
\$ and , ARE NOT Required, But can be used
if desired

AFTER ENTERING EITHER ".00" or "I" program
will ask for INTEREST RATE. Examples of
ENTRIES follow

(A) .10

(D) 10.0

(G) 101.75 *

(B) 10

(E) .10757575

(C) 10%

(F) 10.75757575

Any number up to 8 places* can be used.

You can NOT ENTER FRACTIONS. Example

$10 \frac{3}{4}$ IS NOT A LEGAL ENTRY

* NOTE: IF you use MORE THAN A 2 digit whole
number, you must use the decimal point

Example F is LEGAL; Example G is NOT
LEGAL

(PRESS F)

Following Interest Input, ^ Program
will ask for years. Simple Interest Program
will accept fractions of a year. Example:

(A) .75 = 9 months (B) 1.5 = 18 months

* .5 = 6 months 1.25 = 15 months

.25 = 3 months

1.75 = 21 months

.083 = 1 month

1.083 = 13 months

MORTGAGE AND Compound Programs will
only accept whole years at this time

(2)

Compound INTEREST PERIOD is yearly
Simple INTEREST PERIOD is yearly
MORTGAGE PERIOD is monthly, BUT displays AS
yearly TOTALS

I AM WORKING ON Semi-ANNUAL, QUARTERLY
AND MONTHLY COMPOUND PERIODS. ALSO A
SAVING ACCOUNT PROGRAM SECTION WILL BE
ADDED

FOLLOW INSTRUCTIONS ON SCREEN. Do NOT PRESS
GO UNLESS TOLD TO. ENTER NUMBERS WITHOUT PUSHING GO
PROGRAM LISTING IS WRITTEN EXACTLY AS
SHOWN ON SCREEN

REMEMBER THIS IS A BLUE RAM
PROGRAM, AND YOU MUST ENTER THE OPERATING
SYSTEM TAPE, BEFORE LOADING THIS PROGRAM.

LARGEST Legal ^{ANSWER} ENTRY IS 99999999.99999999

WHO ~~WAS~~ EFF, ~~WAS~~ NOT ERASE
POINT ON IT. ~~WAS~~ NOT ERASE
IN THIS IS A NEW FILE. I
JUS FOUND OUT. I AM WORKING
ON IT.

(1.)

BLUE Ram Program

```
10 CLEAR
20 For A=0 TO 165; @(A)=0;
  NEXT A
30 For XY = 20078 TO 20128 S
  TOP 2; %(XY)=0; NEXT XY
31 F=100; G=200
32 PRINT "INPUT CHOICE, P
  usH Go"
33 PRINT "SIMPLE INTERES
  T=1
34 PRINT "COMPOUND INTER
  EST=2
35 PRINT "MORTGAGE=0
36 INPUT S; CLEAR
37 IF S=1 P=7000; GOTO 75
38 IF S=2 P=6000; GOTO 75
39 P=5000
40 @(116)=1; @(134)=1; @(46)=1
49 CLEAR
50 PRINT "MORTGAGE AMOUN
  T
51 GOSUB 3030
60 IF S=0 PRINT; PRINT "I
  NPUT YEARS, THEN PRESS Go"
  ; INPUT Y
70 CLEAR; PRINT "RUNNING
  "; RETURN
75 @(98)=2; @(99)=1; @(134
  )=1; PRINT "LOAN AMOUNT"; PR
  INT; GOSUB 3030
```

(2)

100 CX = -32; Z = 1; For B = R TO

5 STEP - 1; IF @ (B) = "0" IF Z GO

TO 130

109 IF V = Ø PRINT "§"; V = 1

110 Z = Ø

120 TV = @ (B)

121 IF (B = 11) + (B = 29) + (B = 4

7) + (B = 65) + (B = 83) + (B = 101) + (

B = 119) + (B = 136) + (B = 155) PRINT

T "§";

130 NEXT B

140 V = Ø; RETURN

200 PRINT " . "; For B = T TO

U STEP - 1; TV = @ (B); NEXT B; PR

INT; V = Ø; RETURN

500 IF E < 2 N = 7

510 IF E = 2 N = 25

520 IF E = 3 N = 61

530 For I = 1 TO B

540 @ (N + A) = @ (165 + J)

550 A = A - 1; J = J + 1

560 NEXT I

561 @ (46) = 1

570 IF E = 2 IF (@ (26)) + (@ (2

7)) + (@ (28)) > Ø § ÷ @ (18), @ (30)

, @ (18)

580 A = Ø; B = Ø; C = Ø; J = Ø; PRINT

; RETURN

1999 CALL 24576

3030 CX = -30; CY = -8

3040 K = KP

3041 IF K = 31 B = B - 1; A = A - 1; H =

CX; TV = 31; TV = 13; CX = H - 6; CY = C

Y + 8; EOSUB 3040 *

(3)

3042 IF K=36 TV=K; Gosub 304

0 *

3043 IF K=37 TV=K; Gosub 304

0 *

3044 IF S>0 IF K=13 Gosub 30

40 *

3045 IF K=44 TV=K; Gosub 304

0 *

3050 IF K=40 C=1; TV=40; Gosub

3040 *

3060 IF K=73 E=1; Gosub 500;

PRINT "Input Interest^{RATE};" THEN

"; PRINT "PRESS T"; PRINT; C

X=-20; Gosub 3040 *

3070 IF K=84 E=2; Gosub 500;

PRINT "Input Yenes, THEN"; P

PRINT "PRESS P"; CX=-20; Gosub

3040 *

3080 IF K=80 E=3; Gosub 500;

Gosub 600; Gosub P *

3090 IF K=67 STOP

3100 TV=K

3110 @ (165+B)=K

3120 B=B+1

3130 IF C=1 IF E=0 U=U+1; IF

U=2 K=73; Gosub 3060 *

3140 IF C=0 A=A+1

3150 Gosub 3040 *

5000 \$+@ (108), @ (18), @ (108)

5020 \$+@ (108), @ (90), @ (90)

5030 \$-@ (54), @ (126), @ (54)

5040 IF @ (63)+@ (64)+@ (62)< 145

145 Gosub 5060 *

5050 \$X@ (90), @ (108), @ (90);

Gosub 5030 *

(4)

5060 $\$ \div @ (126), @ (90), @ (108)$

5065 FOR A=90 TO 109; @ (A)=0

; NEXT A

5070 $\$ - @ (126), @ (108), @ (108)$

)

5080 $\$ \div @ (108), @ (18), @ (108)$

5090 $\$ \div @ (126), @ (108), @ (108)$

)

5100 $@ (134)=2; @ (135)=1$

5110 $\$ \times @ (4), @ (108), @ (108)$

5121 CX=-36

5130 PRINT "MONTHLY PAYMEN

T

5140 $\$ \div @ (108), @ (126), @ (144)$

); R=160; S=152; GOSUB F; T=15

1; u=150; GOSUB G

5150 $\$ \times @ (0), @ (18), @ (72)$

5160 $\$ + @ (72), @ (90), @ (90)$

5170 CX=-40

5180 M=M+1; PRINT #3, m, "YEA

R"; IF M>1 PRINT "S"

5181 PRINT

5190 PRINT "INTEREST PAID

THIS YEAR"; R=88; S=80; GOSUB

b F; T=79; u=78; GOSUB G

5200 PRINT "MORTGAGE REDUC

TION

5210 $\$ - @ (108), @ (72), @ (36);$

R=53; S=44; GOSUB F; T=43; u=4

2; GOSUB G

5220 PRINT "TOTAL INTEREST

PAID

5230 R=106; S=98; GOSUB F; T=

97; u=96; GOSUB G

(5)

5240 PRINT " MORTGAGE BALANCE"

C=

5250 \$- @ (0), @ (36), @ (0); R=1

7; S=8; Gosub F; T=7; u=6; Gosub

G

5270 Y=Y-1; IF Y=0 STOP

5280 Gosub 5130 *

5300 STOP

Compound
Interest

6000 \$ X @ (54), @ (90), @ (90)

6002 FOR Q=36 TO 53; @ (Q)=0;

NEXT Q

6005 \$+ @ (0), @ (36), @ (36)

6010 \$ X @ (0), @ (18), @ (144)

6015 \$+ @ (0), @ (144), @ (0)

6020 \$- @ (54), @ (12), @ (54)

6030 IF @ (62)+@ (63)+@ (64) <

145 Gosub 6050 *

6040 Gosub 6010 *

6050 PRINT " INTEREST + LOAN"

; R=17; S=8; Gosub F; T=7; u=6;

Gosub G

6051 PRINT

6060 V=1; PRINT " Number of

Payments"; R=107; S=98; Gosub

F; T=97; u=96; Gosub G

6065 PRINT

6070 PRINT " MONTHLY Payment

TS"

6080 \$ ÷ @ (0), @ (90), @ (90); GO

Sub F; T=97; u=96; Gosub G

6090 PRINT " INTEREST Paid "

6100 \$- @ (0), @ (36), @ (90); R=

107; S=98; Gosub F; T=97; u=96

; Gosub G

6110 STOP

(6)

7000 \$X@(.54), @(.98), @(.98)

7005 CX = -45

7010 \$X@(.08), @(.18), @(.36); PR

INT " YEARLY INTEREST"; R=53

; S=44; Gosub F; T=43; U=42; GO

Sub G

7020 \$X@(.54), @(.36), @(.36)

7030 \$+@(.08), @(.36), @(.36); PR

INT " LOAN+ INTEREST"; Gosub

F; Gosub G

7040 R=107; S=98; T=97; U=96;

V=1; PRINT " Number of Payme

NTS"; Gosub F; PRINT

7050 \$+@(.36), @(.98), @(.98); P

RINT " ^{MONTHLY PAYMENT}
~~Amount of Payment~~"; G

OSub F; Gosub G

7060 \$-@(.36), @(.08), @(.90); PR

→ INT " INTEREST PAID"; Gosub

F; Gosub G